a) Variably Methylated Cytosines (VMCs)

- **cis-mQTL**

  - Example: cg03642518, MAF = 0.15

b) Differentially Methylated Cytosines (DMCs)

- Examples: cg11695358, cg03975694

  - Normal vs. Cancer

  - t-test, Wilcoxon test, Bonferroni test, Bartlett test

c) The dynamics of DNA methylation change of a DVC during cervical carcinogenesis

- DVC vs. DMC (DVC, & DVC)

  - Tests for differential variance allow detection of DNA methylation changes in precursor cancer lesions (incl. field defects)